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Docket No.: 13111-00007-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Martin Volland et al.

Application No.: 10/527,635

Confirmation No.: 9341

Filed: March 14, 2005

Art Unit: 1621

For: METHOD FOR PRODUCING
DIALDEHYDES AND/OR
ETHYLENICALLY UNSATURATED
MONOALDEHYDES BY
HYDROFORMYLATION OF
ETHYLENICALLY UNSATURATED
COMPOUNDS

Examiner: S. A. Witherspoon

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

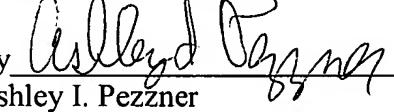
Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13111-00007-US.

Respectfully submitted,

By 
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Substitute for form 1449A/B/PTO				<i>Complete If Known</i>	
				Application Number	10/527,635-Conf. #9341
				Filing Date	March 14, 2005
				First Named Inventor	Martin Volland
				Art Unit	1621
				Examiner Name	S. A. Witherspoon
Sheet	1	of	2	Attorney Docket Number	13111-00007-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (# known)			
AA*	US-3,816,452			Mrowea	
AB*	US-5,907,045	05-25-1999	Antognazza et al.		
AC*	US-20030022947-A1	06-03-2003	McAtee et al.		
AD*	US-20030055253-A1	12-20-2005	Ahlers et al.		
AE*	US-20060052645-A1	03-09-2006	Volland et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)			
BA	EP-0 754 715 A2	01-22-1997	BP Chemicals Limited		
BB	WO-98/42716	10-01-1998	Monsanto Company		
BC	WO-99/52915	10-21-1999	Chemi S.p.A.		
BD	WO-99/52632	10-21-1999	E.I. du Pont de Nemours and Company		
BE	WO-01/85739	01-17-2001	BASF AG		See Abstract
BF	JP-2002-047294	02-12-2002	MITSUBISHI CHEMICALS CORP.		In English

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
CA		Brunner et al., "Optisch aktive Aminophosphane - Synthese und Verwendung in der Rh-katalysierten enantioselektiven Hydrosilylierung", <i>Chem. Ber.</i> , Vol. 118, pp. 3380-3395 (1985).			
CB		Moloy et al., "N-Pyrrolyl Phosphines: An Unexploited Class of Phosphine Ligands with Exceptional π -Acceptor Character", <i>J. Am. Chem. Soc.</i> , Vol. 117, pps. 7696-7710 (1995).			
CC		Trzeciak et al., "Novel rhodium complexes with N-pyrrolylphosphines: attractive precursors of hydroformylation catalysts", <i>J. Chem. Soc., Dalton Trans.</i> , pp. 1831-1837 (1997).			
CD		Trzeciak et al., "Rhodium complexes HRh[P(NC ₄ H ₄) ₃] ₄ and HRh(CO)[P(NC ₄ H ₄) ₃] ₃ as active catalysts of olefins and arenes hydrogenation X-ray structure of HRh(CO)[P(NC ₄ H ₄) ₃] ₃ ", <i>Journal of Organometallic Chemistry</i> , Vol. 552, pp. 159-164 (1998).			
CE		Shen et al., "Enthalpies of Reaction of Cp' = C ₅ H ₅ , C ₅ Me ₅ ; COD = Cyclooctadiene) with π -Acceptor Chelating Phosphine Ligands", <i>Organometallics</i> , Vol. 17, No. 14, pp. 3000-3005 (1998).			

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/527,635-Conf. #9341
<i>(Use as many sheets as necessary)</i>				Filing Date	March 14, 2005
				First Named Inventor	Martin Volland
				Art Unit	1621
				Examiner Name	S. A. Witherspoon
Sheet	2	of	2	Attorney Docket Number	13111-00007-US

CF	Gimbert <i>et al.</i> , "Synthesis and Characterization of New Binuclear (Co)(0) Complexes with Diphosphinoamine Ligands. A Potential Approach for Asymmetric Pauson-Khand Reactions", <i>Journal Organometallic Chemistry</i> , Vol. 64, pp. 3492-3497 (1999).
CG	Trzeciak <i>et al.</i> , "Novel rhodium(I) complexes with (2-hydroxyphenyl)diphenylphosphine ligand: catalytic properties and X-ray structures of Rh(OC ₆ H ₄ PPh ₂)(CO)PPh ₃) and Rh(OC ₆ H ₄ PPh ₂)(P(OPh) ₃) ₂ · 0.5C ₆ H ₆ ", <i>Journal of Organometallic Chemistry</i> , Vol. 575, pp. 87-97 (1999).
CH	Trzeciak <i>et al.</i> , "Hydroformylation of vinylsilanes with Rh(acac)(CO) ₂ /tris(N-pyrrolyl)phosphine catalytic system", <i>C.R. Acad. Sci. Paris</i> , t. 2, Série II c, p. 235-239 (1999).
CI	van der Veen <i>et al.</i> , "New Phosphacyclic Diphosphines for Rhodium-Catalyzed Hydroformylation", <i>Organometallics</i> , Vol. 18, pp. 4765-4777 (1999).
CJ	Smith, Jr. <i>et al.</i> , "Synthetic, Structural, and Solution Calorimetric Studies of Pt(CH ₃) ₂ (PP) Complexes", <i>Organometallics</i> , Vol. 19, pp. 1427-1433 (2000).
CK	Benincori <i>et al.</i> , "3,3'-Bis(diphenylphosphino)-1,1'-disubstituted-2,2'-biindoles: Easily Accessible, Electron-Rich, Chiral Diphosphine Ligands for Homogeneous Enantioselective Hydrogenation of Oxoesters", <i>J. Org. Chem.</i> , Vol. 65, pp. 8340-8347 (2000).
CL	Selent <i>et al.</i> , "Neuartige oxyfunktionalisierte Phosphonitliganden für die Hydroformylierung isomerer <i>n</i> -Olefine", <i>Angew. Chem.</i> , Vol. 112, No. 9, pp. 1694-1696 (2000).
CM	van der Slot <i>et al.</i> , "Rhodium Complexes Based on Phosphorus Diamide Ligands: Catalyst Structure versus Activity and Selectivity in the Hydroformylation of Alkenes", <i>Organometallics</i> , Vol. 19, pp. 2504-2515 (2000).

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/92 (09-04)

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Application No. (if known): 10/527,635

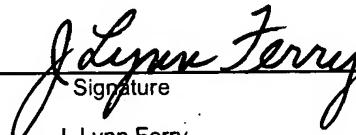
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Information Disclosure Statement
SB/08
References
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